

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A honeycomb sandwich panel comprising:

a honeycomb core having a number of cells extending therethrough in a thickness direction of the honeycomb core; and

a front surface layer and a rear surface layer provided on both sides of the cells in the thickness direction of the honeycomb core and fused to close openings of the cells, at least one of the front surface layer and the rear surface layer being made of a porous and air-permeable fiber reinforced plastic using as a matrix a phenolic resin, which becomes porous when it is cured after heating and which allows passage of air between inside and outside of the cells, when it has been cured after heating.

2. (Original) A honeycomb sandwich panel according to claim 1, wherein each of the front surface layer and the rear surface layer is made of at least a single layer.


3. (Currently Amended) A honeycomb sandwich panel according to claim 1, wherein the ~~front surface layer and the rear surface layer are made of a porous and air-permeable carbon fiber reinforced plastic~~ is a porous and air-permeable carbon fiber reinforced plastic using as a matrix a phenolic resin, which becomes porous when it is cured after heating and which allows passage of air between inside and outside of the cells.

4. (Currently Amended) A honeycomb sandwich panel according to claim 1, wherein the ~~front surface layer and the rear surface layer are made of a porous and air-permeable glass fiber reinforced plastic using as a matrix a phenolic resin, which becomes porous when it is cured after heating and which allows passage of air between inside and outside of the cells~~ is a porous and air-permeable glass fiber reinforced plastic.

5. (Original) A honeycomb sandwich panel according to claim 1, wherein the honeycomb core is made of a light metal.

6. (Previously Presented) A honeycomb sandwich panel according to claim 1, wherein the honeycomb core is made of a material selected from the group consisting of an aramid fiber and a glass fiber reinforced plastic.

7. (Currently Amended) A honeycomb sandwich panel for use in an interior material, exterior material, partition material or structural member of a spacecraft comprising:

 a honeycomb core having a number of cells extending therethrough in a thickness direction of the honeycomb core; and

a front surface layer and a rear surface layer provided on both sides of the cells in the thickness direction of the honeycomb core and fused to close openings of the cells, at least one of the front surface layer and the rear surface layer being made of a porous and air-permeable fiber reinforced plastic using ~~a phenolic resin~~ as a matrix a phenolic resin, which becomes porous ~~when it is cured after heating and which~~ allows passage of air between inside and outside of the cells, when it has been cured after heating.

8. (Original) A honeycomb sandwich panel according to claim 7, wherein each of the front surface layer and the rear surface layer is made of at least a single layer.

9. (Currently Amended) A honeycomb sandwich panel according to claim 7, wherein ~~each of the front surface layer and the rear surface layer is made of a~~ the porous and air-permeable fiber reinforced plastic is a porous and air-permeable carbon fiber reinforced plastic using a phenolic resin as a matrix.

10. (Currently Amended) A honeycomb sandwich panel according to claim 7, wherein ~~each of the front surface layer and the rear surface layer is made of~~ the porous and air-permeable fiber reinforced plastic is a porous and air-permeable glass fiber reinforced plastic ~~using a phenolic resin as a matrix.~~

11. (Original) A honeycomb sandwich panel according to claim 7, wherein the honeycomb core is made of a light metal.

12. (Previously Presented) A honeycomb sandwich panel according to claim 7, wherein the honeycomb core is made of a material selected from the group consisting of an aramid fiber and a glass fiber reinforced plastic.